



Animal Health **Control of Parasites in Dairy Cattle** *Illinois*

By: Dick Wallace, DVM, MS Dairy Extension Veterinarian, University of Illinois Extension

- Consider the parasite life cycle(s) when designing a parasite control program.
- Evaluate the relative risk factors for the class(es) of animal(s) to be treated.
- Consider meat and milk withholding times before administration of the drug(s).

Birth – Weaning (2 months):

Housing types:

Hutches, individual pens

Group pens

Pasture - rarely

Parasites to control: Coccidiosis, Fleas

Control measures:

- 1) Sanitary surroundings and good hygiene, control barn cats
- 2) Medicated milk replacers

Trade name	Generic name	Label use	Dosage	Precautions
Corid	Amprolium	Treatment	10 mg/kg, feed or water, 5 days	Meat withdrawal 24 hours
Sulfas (various manufacturers)	Sulfaquinoxaline	Treatment	8-70 mg/kg, water, 7 days	Meat withdrawal 5 days
Bovatec	Lasalocid (Ionophore)	Preventative	100-360 mg/head/day	No meat withdrawal
Corid	Amprolium	Preventative	5 mg/kg, feed or water, 21 days	Meat withdrawal 24 hours
Deccox	Dequinate	Preventative	0.5 mg/kg, feed, at least 28 days	No meat withdrawal
Rumensin	Monensin (Ionophore)	Preventative (>400 lbs)	100-360 mg/head/day	No meat withdrawal

Control Program:

Maintain sanitary environment, reduce exposure to manure from other cows and calves.

Use a milk replacer medicated with a coccidiostat.

Add Corid to milk replacer (at preventative dose).

Continue with coccidiostat until first calving.

Parasite Control Program for Dairy Cattle

Weaning to First Calving (~24 months):

Housing types:

Group pens with dirt or concrete lot

Group lot with sparse pasture

Pasture

-more-

Parasites to control: Coccidiosis, Nematodes, Cestodes, Ectoparasites

Control measures:

- 1) Manure and pasture management
- 2) Drugs

Trade name	Generic name	Label use	Dosage	Precautions
Ivomec	Ivermectin	Internal and external	200 mcg/kg, SQ or pour-on	Meat w/d 35 days Milk w/d 49 days
Cydectin, Eprinex	Moxidectin, eprinomectin	Internal and external	pour-on	No meat nor milk withdrawal
Rumatel	Morantel tartrate	Internal	0.44 g / 100 lbs, mixed in feed	Meat w/d 14 days No milk withdrawal
Panacur or Safe-Guard	Fenbendazole Paste - 10% Feed - 0.5%	Internal	5-10 mg/kg, orally, paste, liquid suspension or feed pellet	Meat withdrawal: Paste = 8 days Feed = 13 days No milk withdrawal
Taktic	Amitraz	External	2 gal mixed spray/ adult animal	No meat or milk withdrawal
Expar	Permethrin	External	0.5 oz / 100 lbs	No meat or milk w/d, won't get grubs

Control Program:

Spring: Calves born in the fall - no exposure to pasture over-winter

Expar/Taktic for external parasites

Yearlings born the previous spring - any exposure to pasture

Bred heifers born the previous fall - any exposure to pasture

Ivomec/Cydectin/Eprinex or Panacur and Expar/Taktic

Heifers due to calve - any exposure to pasture

Cydectin/Eprinex or Panacur and Expar/Taktic

Fall: Calves born in the spring - any exposure to pasture

Yearlings born the previous fall - any exposure to pasture

Bred heifers born the previous spring - any exposure to pasture

Ivomec/Cydectin/Eprinex or Panacur and Expar/Taktic

Heifers due to calve - any exposure to pasture

Cydectin/Eprinex or Panacur and Expar/Taktic

Adult lactating cows:

Housing type:

Complete confinement - Expar/Taktic spring and fall as needed.

Any pasture exposure - Spring and Fall

Ivomec/Cydectin/Eprinex or Safe-Guard/Rumatel and Expar/Taktic

Additional Fact Sheets:

-Control of **Equine** Parasites – R.D. Scoggins, DVM, University of Illinois

-Control of Internal Parasites in **Sheep** – R.D. Scoggins, DVM, University of Illinois

-Control of Parasites in **Grazing Beef Cattle** - G. L. Meerdink, DVM, University of Illinois

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Project coordinated by: Dean Oswald, Animal Systems Educator, Macomb Extension Center, 480 Deer Road, Macomb, IL, 61455.

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